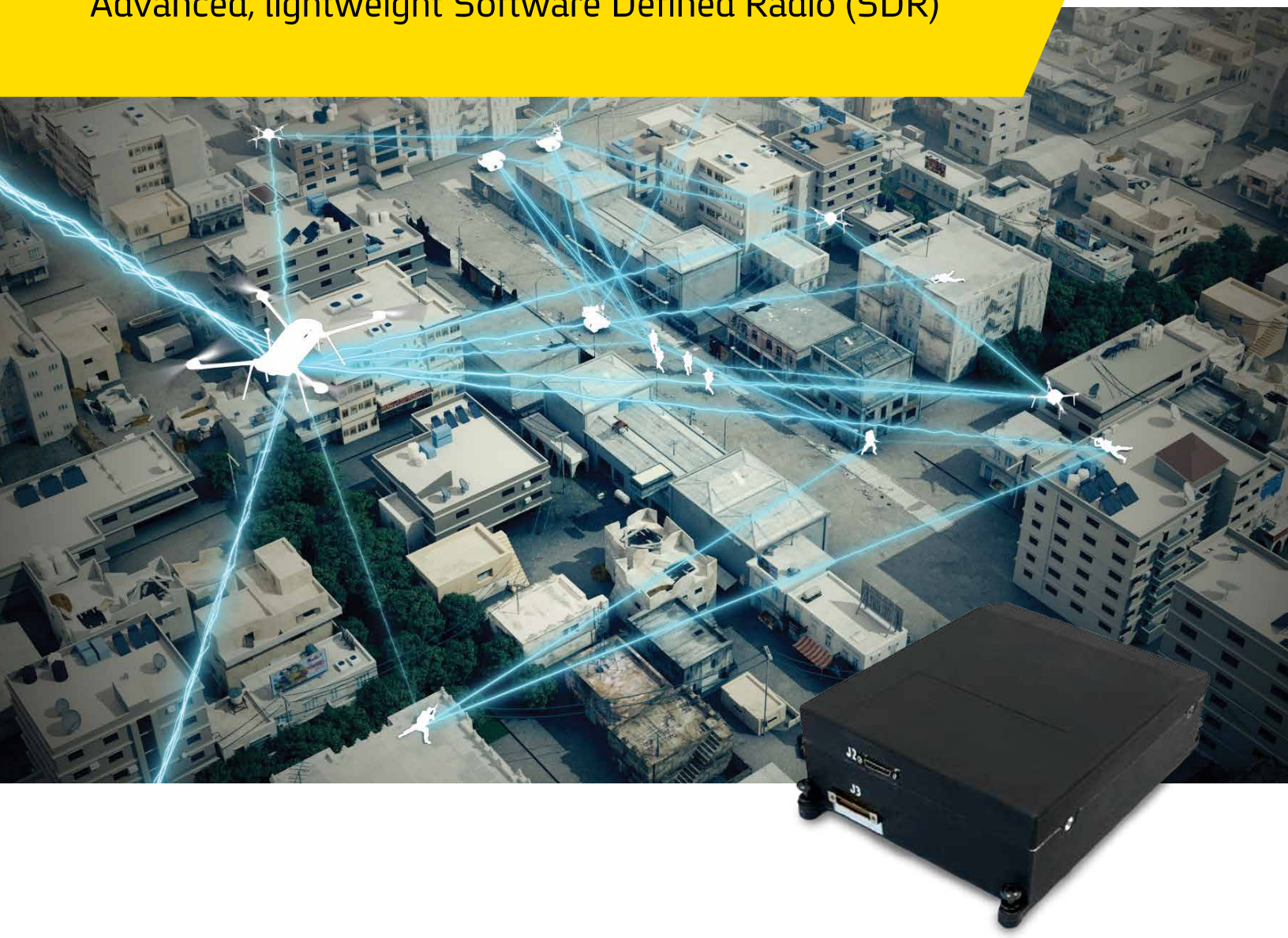
E-LynX™ LX

Advanced, lightweight Software Defined Radio (SDR)



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E-LynX™ LX

Advanced, lightweight Software Defined Radio (SDR)

E-LynX™ LX SDR is an advanced, lightweight, secured digital wireless communication system. Weighing only 130 grams, the radio is designed for small platforms such as drones, small UGVs and mini-UAVs. It supports multi-band, frequency hopping, with operational range of up to 50 km, data rates of up to 12 Mbps, including MRC antenna diversity and MIMO for ensuring robust smooth video, audio and data between network members, under harsh channel and terrain conditions. The radio provides seamless integration with transparent IP connectivity and Quality of Service (QoS) of the network for various applications.

E-LynX™ LX is available as an airborne configuration (ADT) and ground configurations (GDT/RVT) with either omnidirectional or dual-axis/single-axis tracking antennas system. The system provides smooth interoperability with other radios of E-LynX™ family.

Technical Specifications

General	
Frequency bands	L-Band / S-Band / C-Band
Output power	0.5 W
Operational range	Up to 50 km
Data rate	Up to 12 Mbps
Encryption	AES-256
Interfaces	Ethernet, RS-232, USB (optional)
Power	12 V (nominal)
ADT weight	130 g
ADT dimensions	100x70x27 mm
Environmental	MIL-STD-810G
EMC	MIL-STD-461G

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